Index of Claims

| IIIUEX OI CIAIIIIS |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Application/Control No.

09/817,322

Examiner

VAN H. NGUYEN

Applicant(s)/Patent under Reexamination

ROYER ET AL.

Art Unit

2194

| √ | Rejected |
|---|----------|
|   | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla            | laim Date            |          |          | 7:::         | CI       | aim      | Date              |               |       |              |          | С                   | laim     | Date          |   |          |                                    |          |  |            |          |              |          |          |              |                    |         |
|----------------|----------------------|----------|----------|--------------|----------|----------|-------------------|---------------|-------|--------------|----------|---------------------|----------|---------------|---|----------|------------------------------------|----------|--|------------|----------|--------------|----------|----------|--------------|--------------------|---------|
|                | <u></u>              | ١.,      |          |              |          |          |                   | Т             | 7     |              | -        |                     |          |               | П   |          | П                                  |          |  |            |          |              |          |          |              | T                  |         |
| Final          | ij                   | §        |          | ŀ            |          |          |                   |               |       | Final        | يَّةِ ا  |                     |          |               |   |          | $  \cdot  $                        |          | Final  | i          |          |              |          |          |              |                    | ŀ       |
| i              | Original             | 5/24/05  |          |              |          |          |                   |               |       | ίĒ           | Original | 1 1                 |          | 1             |   |          | 1 1                                |          | ίĒ   | Original   |          |              |          |          | 1            |                    |         |
| <u></u>        |                      | ╙        |          |              | ↓_       | <u> </u> |                   |               | _     |              |          |                     |          | <u> </u>      |   |          |                                    |          |  | 1          |          |              |          |          |              | _                  |         |
| <u></u>        | (5)                  | ٧        | $\perp$  | $\bot$       | ↓_       | L        |                   |               | _     |              | 51       | Ш                   | $\perp$  | ┸             | Ш   |          | Ш                                  |          |  | 101        |          |              |          |          | $\perp$      | $\perp$            |         |
|                | 2                    | ٧        | Ц.       | - -          | <u> </u> |          | $\sqcup \sqcup$   |               | _     |              | 52       | Ш                   | $\perp$  | ļ_            | $\sqcup$  |          | Ш                                  |          |  | 102        |          |              |          |          | $\perp$      |                    |         |
| <u> </u>       | 3                    | ٧        | _        | ┿            | ╄        | _        | $\sqcup$          | _             | 4     |              | 53       | $\sqcup$            | $\perp$  | 4_            | $\sqcup$  | _ _      | $\sqcup$                           | _ :::    | <u> </u>   | 103        | $\perp$  | ↓_           | Ш        |          |              | 4                  |         |
| <u> </u>       | 4                    | ٧        | _        |              | <u> </u> | _        |                   | -+            | 4     | <u> </u>     | 54       |                     | -        | +-            |   | +        | +                                  |          |  | 104        | $\perp$  | ↓            | П        |          | 4            | 4                  |         |
|                | 5<br>6               | V        |          | +            | ╁┈       | -        | $\vdash$          | -             | - ::: | <u> </u>     | 55       | $\vdash$            |          | +             | $\vdash \vdash$                                   | +        | ╁┼                                 |          |  | 105        | -        | ـ            | -        | $\dashv$ | -+           | +                  |         |
| -              | 7                    | V        |          | +            | +        | $\vdash$ | ₩                 |               | - ::: | <u> </u>     | 56<br>57 | $\vdash$            | +        | +-            | $\vdash$  | -        | ╀                                  |          |  | 106        | -        | _            |          | _        | _            | +                  | —       |
| <u> </u>       | 8                    | V        |          | ╁            | ╁        | $\vdash$ | ╆                 | -             | -     | -            | 58       | ┤┤                  | +        | +             | Н   |          | ╀                                  |          | <b></b>  | 107<br>108 | +        | <del>-</del> | -        |          | +            | +                  | -       |
| $\vdash$       | 9                    | Ÿ        | $\dashv$ | +            | ╁        | H        | $\vdash$          | +             | -     |              | 59       | 1                   | +        | +             | $\vdash$  |          | +                                  |          |  | 109        |          | ╁            | Н        | $\dashv$ | -+           | +                  |         |
|                | <b>6</b>             | v        |          | +            | +-       | ┢        | ┢                 | _             | -     | <b> </b>     | 60       | 1                   | +        | +             | H   | +        | $\vdash$                           |          |  | 110        |          | +            |          | -        | $\dashv$     | +                  | +-      |
|                | 11                   | v        | $\neg$   | _            | t        | ┢        | <del> </del>      | 十             | -     | -            | 61       | $\vdash$            | +        | +             | $\vdash$  | $\vdash$ | + +                                |          |  | 111        | $\dashv$ | $\vdash$     | Н        | -        | +            | +                  | +       |
|                | 12                   | v        |          | $\top$       | T        | T        | 1                 | $\dashv$      |       |              | 62       | $\vdash$            | $\dashv$ | $\top$        | $\vdash \vdash$                                   | $\dashv$ | ++                                 |          | $\vdash$   | 112        |          | +-           | Н        | $\vdash$ | $\dashv$     | +                  | +       |
|                | 13                   | v        |          | 1            | 1        | T        | $\Box$            | $\top$        | 7     |              | 63       |                     | +        | ✝             | H   | $\neg$   | $\dagger \dagger$                  | -        | _  | 113        |          | $\vdash$     | $\vdash$ | $\vdash$ | 十            | $\dashv$           | +       |
|                | 14                   | ٧        |          | $\top$       | T        |          |                   |               | 7     | Г            | 64       |                     | _        | 十             | $\Box$  | 1        | $\sqcap$                           | <b>-</b> |  | 114        | $\top$   | 1            | $\Box$   |          | 十            | 十                  | _       |
|                | 15                   | >        |          |              | Γ        |          |                   |               | ]     |              | 65       | $\Box$              |          | $\top$        |   |          | $\top$                             |          |  | 115        |          |              |          |          | $\dashv$     | 十                  | $\neg$  |
|                | 16                   | ٧        |          | $oxed{\Box}$ |          |          |                   | I             | ]     |              | 66       |                     |          |               |   |          | 口                                  |          |  | 116        |          | T            | $\Box$   |          | 寸            | $\top$             |         |
|                | 17                   | ٧        |          | $\bot$       |          |          |                   |               |       |              | 67       |                     |          |               |   |          |                                    |          |  | 117        |          |              |          |          |              | $\Box$             | $\top$  |
|                | 18                   | ٧        |          |              |          |          |                   |               |       | L            | 68       |                     |          |               |   |          |                                    |          |  | 118        |          |              |          |          |              | $\top$             |         |
|                | (19)                 | ٧        |          |              |          |          |                   |               | _     | L            | 69       |                     |          |               |   |          |                                    |          |  | 119        |          |              |          |          |              |                    | T       |
|                | 20                   | v        |          |              | -        | <u> </u> | $\sqcup$          |               | 4     | L            | 70       | $\sqcup$            | 4_       |               |   | _ _      | $\perp \perp$                      | _        |  | 120        |          |              |          |          | $\Box$       | $oldsymbol{\perp}$ | $\perp$ |
|                | 21                   | ٧        |          | +            | _        | $\perp$  |                   | _             | 4     | L            | 71       | $\sqcup$            |          |               | $\Box$  | _ _      | 11                                 | _        |  | 121        |          |              |          |          |              | $\perp$            | L       |
|                | (22)                 | ٧        |          |              | 1        |          | -                 | _             | 4     | <u> </u>     | 72       | $\sqcup$            |          |               | $\sqcup$  | _ _      | 1                                  | _        |  | 122        | _        | 1            |          |          |              |                    |         |
| <u> </u>       | (22)<br>(23)<br>(24) | ٧        |          | +            | ╄        | $\vdash$ |                   | $\dashv$      | 4     | <u> </u>     | 73       | $\vdash$            | 4        | _             | $\perp$   |          | 1                                  | _        |  | 123        |          | <u> </u>     |          |          | $\perp$      | 4                  |         |
| -              | 24/                  | ~        |          | +-           | +        |          | ┵                 | +             | 4     | <b> </b>     | 74       | $\vdash$            | +        | -             | $\dashv$  |          | $\sqcup$                           | _        |  | 124        |          | <u> </u>     | $\dashv$ | _        | $\downarrow$ | 4                  | _       |
|                | 25<br>26             |          | +        | +-           | ┾        | -        | $\vdash$          |               | -     | <u> </u>     | 75       | $\vdash$            |          | -             | $\dashv$  |          | <del>-</del>                       |          |  | 125        |          | ⊢            |          | _        | _            | +                  | -       |
| <del>  -</del> | 27                   | _        | +        | +-           | +        |          | $\vdash$          | -+            | -     | <u> </u>     | 76<br>77 | $\vdash$            | +-       | ╁╾            | H   |          | ┿                                  |          | ├  | 126<br>127 | _        | -            | $\vdash$ |          | +            | +                  | _       |
|                | 28                   |          | -        | +            | ╁        | $\vdash$ | $\vdash$          | +             | -     | <u> </u>     | 78       | $\vdash$            | +-       | ╫             | $\vdash$  |          | +                                  | $\dashv$ | <u> </u>   | 128        | -        | $\vdash$     |          | $\dashv$ | -            | +                  | +       |
|                | 29                   |          | -        | +-           | ╁        | Н        | H                 | $\dashv$      | -     | <del> </del> | 79       | <del>     </del>    | +-       | ╁             | +   | ┰        | ╁╌╁                                |          |  | 129        |          | ┼-           | $\dashv$ |          | -+           | +                  | -       |
|                | 30                   |          | +        | +            | 1        | H        | $\vdash$          |               | -     | <b>-</b>     | 80       | $\vdash$            | ┰        | ╁╾            | $\dashv$  | ╅        | ╁┼                                 |          |  | 130        |          | -            |          | $\dashv$ | +            | +                  | +       |
|                | 31                   |          |          | -            | T        | П        |                   | $\neg \vdash$ | 1     |              | 81       | $\vdash$            | +        | +             | $\dashv$  | +        | +                                  | -        |  | 131        | $\dashv$ | $\vdash$     |          | $\dashv$ | $\dashv$     | ╅                  | +       |
|                | 32                   |          |          | 1            | $\vdash$ | П        | $\Box$            | $\neg \vdash$ | 7     |              | 82       | $\Box$              | 十        | 1             | $\dashv$  | $\neg$   | 1 1                                | $\neg$   | <u> </u>   | 132        | +-       |              | $\dashv$ | $\dashv$ | +            | ╁                  | +-      |
|                | 33                   |          |          | I            |          |          |                   |               |       |              | 83       | $\Box$              | $\top$   | 1             | $\top$  | 1        | 1 1                                | 7        |  | 133        | +        | П            | $\dashv$ | $\dashv$ | $\dashv$     | +                  | 十       |
|                | 34                   |          |          |              |          |          |                   |               |       |              | 84       |                     | $\Box$   |               |   |          |                                    |          |  | 134        | $\top$   |              | $\neg$   |          | _            | 十                  | $\top$  |
|                | 35                   |          |          |              |          |          |                   |               |       |              | 85       |                     | $\perp$  |               |   |          | $\Box$                             |          |  | 135        |          | П            | $\neg$   |          | 十            | 十                  | $\top$  |
| <u> </u>       | 36                   |          |          | $\perp$      |          |          | Щ                 |               | _     |              | 86       | $\Box$              |          |               | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |                                    |          |  | 136        |          |              |          |          | $\dashv$     | $\top$             | $\top$  |
|                | 37                   |          |          | _            | L        | Ш        |                   | $\perp$       | _     |              | 87       | $\Box$              |          |               | $\Box$  |          |                                    |          |  | 137        |          |              |          | [        |              | ▔                  |         |
| <u> </u>       | 38                   | Щ        | _        | _            | -        | Ш        | $\sqcup$          | $\perp$       | 4     |              | 88       | Ш                   |          | $\perp$       | $\bot$  |          | $\Box$                             |          |  | 138        |          |              |          |          |              |                    | $\perp$ |
| <u> </u>       | 39                   |          |          | $\bot$       | $\vdash$ | Ш        | $\sqcup$          | $\perp$       | 4     |              | 89       | $\sqcup$            |          | $\perp \perp$ | $\perp$   | $\perp$  | $\sqcup \downarrow$                | _        |  | 139        |          |              |          |          | $\perp$      | $\perp$            |         |
| <u> </u>       | 40                   |          | -        | -            | ╄-       | $\sqcup$ | $\vdash$          | -             | 4     |              | 90       | $\vdash$            | _        | $\sqcup$      | $\dashv$  |          | $oldsymbol{\perp}oldsymbol{\perp}$ | 4        | L  | 140        |          | Ш            |          |          | $\perp$      | $\perp$            |         |
| $\vdash$       | 41<br>42             | $\vdash$ |          | +            | +        | $\vdash$ | $\vdash$          | +             | -     | <u> </u>     | 91       | $\vdash \downarrow$ | +        | $\vdash$      | -   | -        | ╁╌╁                                | -        | <u> </u>   | 141        | _        | Ш            | $\dashv$ | _        |              | $\perp$            |         |
|                | 42                   | -        | +        | +            | +        |          | $\vdash$          | +             | -     | <u> </u>     | 92       | $\vdash$            | +        | $\vdash$      | $\dashv$  | +        | ++                                 |          | <u> </u>   | 142        |          | $\vdash$     |          |          | _            | $\bot$             | —       |
| <b>—</b>       | 43                   | -        |          | +            | ╁        | $\vdash$ | $\vdash$          | +             | -     | <b></b>      | 93<br>94 | $\vdash$            | +-       | $\dashv$      | $\dashv$  | +        | +                                  |          | <u> </u>   | 143        |          | $\vdash$     |          | -        | -            | +                  | +-      |
| $\vdash$       | 45                   | $\dashv$ | +        | +            |          |          | $\vdash$          | $\dashv$      | -     |              | 95       | $\vdash$            | +-       | $\vdash$      | $\dashv$  | ┿        | 1-1                                | -        | <del> </del>                                     | 144<br>145 | +        | H            | +        | -        | +            | +                  | +-      |
|                | 46                   | $\dashv$ | +        | 十            | $\vdash$ | ┤┤       | $\vdash$          | +             | -     | _            | 96       | +                   | +        | +             | +   | +        | <del>   </del>                     | -        | <u> </u>   | 145        |          | Н            |          | $\dashv$ | +            | +                  | +-      |
|                | 47                   | $\neg$   | +        | +            | $\vdash$ | $\vdash$ | $\dashv$          | +             | 1     | <u> </u>     | 97       | $\vdash$            | +        | +             | +   |          | +                                  | -        |  | 147        |          | Н            |          | -+       | +            | +                  | +       |
|                | 48                   |          | $\top$   | +            | +        | $\vdash$ | $\vdash$          | $\dashv$      | 1     | <u> </u>     | 98       | $\vdash$            | +        | $\vdash$      | $\dashv$  | +        |                                    |          |  | 148        |          | $\vdash$     |          | -+       | +            | +                  | +-      |
|                | 49                   | $\neg$   |          | $\top$       | 1        | $\vdash$ | $\vdash \uparrow$ | +             | 1     | <br>         | 99       | 1                   | +        | +             | +   |          | <del>   </del>                     | -        | <del>                                     </del> | 149        |          | $\vdash$     | $\dashv$ | $\dashv$ | +            | +                  | +       |
|                | 50                   |          |          | T            |          | П        | $\vdash$          | $\neg$        | 7     |              | 100      |                     | +        | H             | $\dashv$  | +        | $\vdash$                           | -        |  | 150        | +        | $\vdash$     | -        | ┪        | +            | +                  | +-      |
|                |                      |          |          |              | _        |          |                   |               | ٠٠٠٠٠ |              |          |                     |          |               |   |          |                                    |          |  | 100        |          | 1. 1         |          |          | L            |                    | !       |